

MOBILE SLATE TALKER MOST

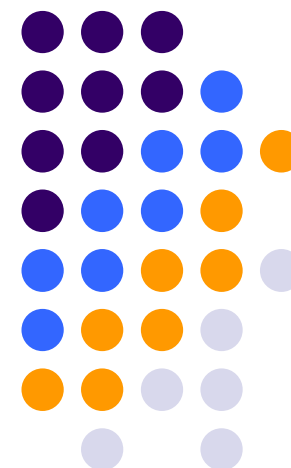
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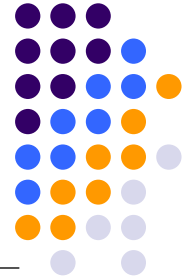
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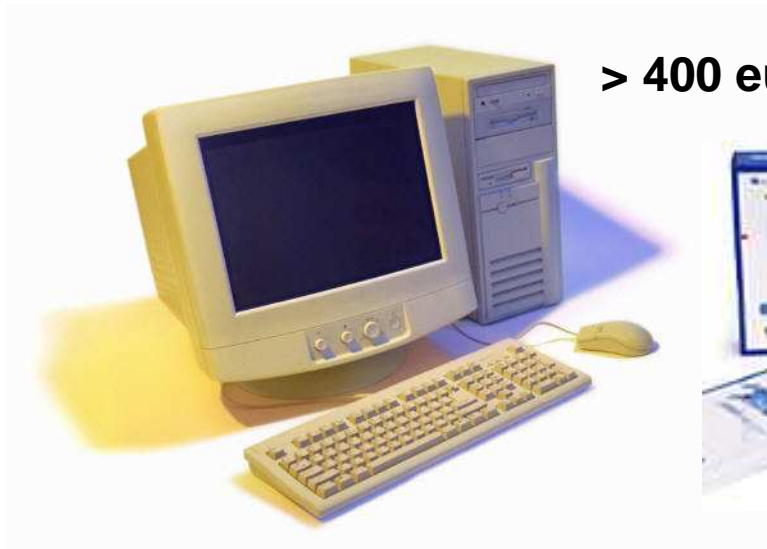
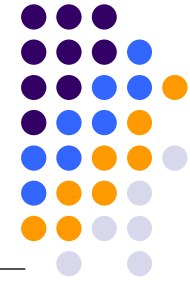


Goals of the MOST project



- Not a screen reader. No GUI. Developed specially for blind users.
 - **Cheap basic software + plug-in.**
 - **Simple use, no expert knowledge needed, also convenient for experienced users.**
 - **Universale services.**
- Platform independence.
- Open software environment (Java language).

Computer Aids for the Blind



> 400 euro



> 800 euro



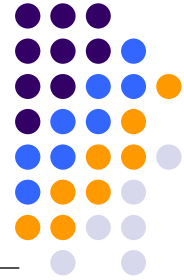
> 2000 euro



> 3200 euro



> 4000 euro

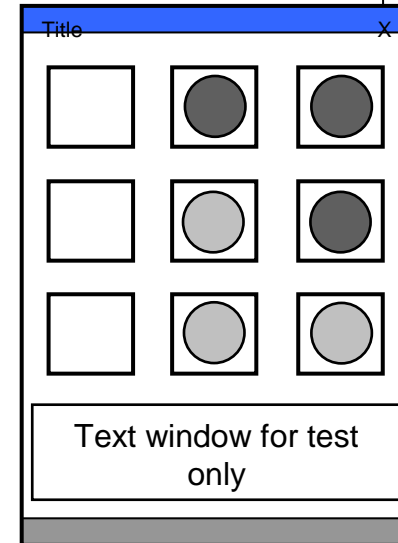


PDA – Handheld Computer

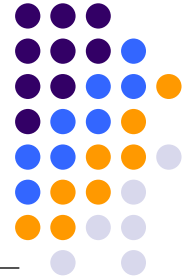
- 300 – 500 euro
- Appropriate hardware

Loudspeaker
(Speech synthesizer)

Touch screen
(Braille dots input)

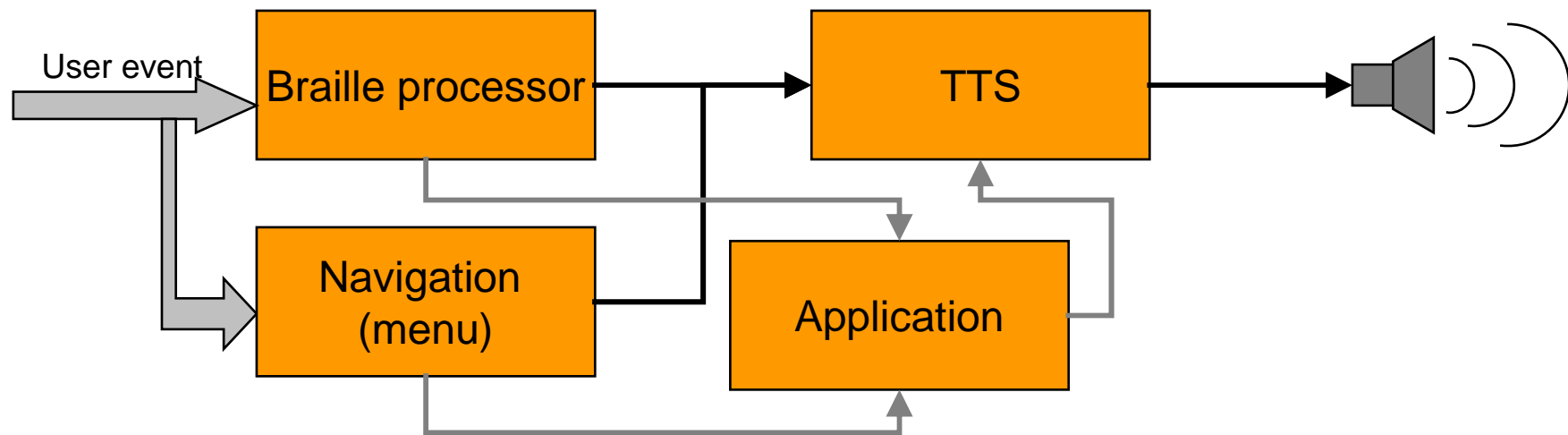


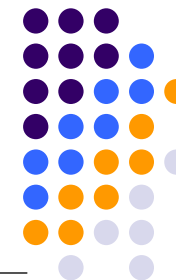
Arrow keys
(Navigation and program control)



System Architecture

- Main modules
 - Braille processor
 - Navigation
 - Text to speech (TTS)

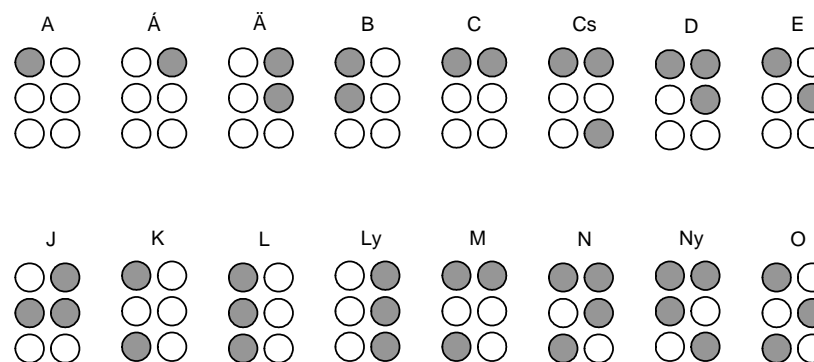




Braille Text Entry

- Entering Braille dots

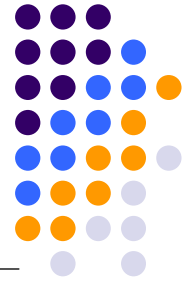
- Touch screen
- Virtual Braille cell and control wholes
- HP6815 has now 12 wholes



- Characteristics

- Normal or mirror (like Braille slate) entering
 - Hungarian uncontracted or contracted (e.g. 'ogb' → országban)
 - Own contractions (table driven state machine)
 - One hand operation
 - Faster than entry on the telephone
- Bluetooth keyboard for full comfort entry

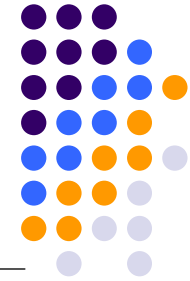
From Test to the Product



- First version of product was ready in 2005
- Easy to develop new applications
- Tests started with 5-10 users from December 2005
- 50 persons are using MOST every day
- **Norbert Markus will show you the device in use**



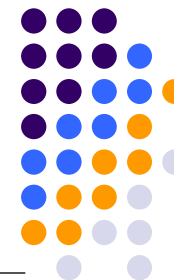
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Old version Qtek is used by 15 blind persons



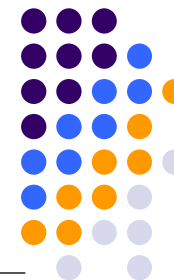


HP RW6815 is the Present

- Mobile calls, SMS, integrated callbook, call history handling
- Text editing up to MegaByte size
- One touch Dictaphon, MP3 player with navigation
- E-mail reading writing
- Calculator, clock, date, alarm, stopper, parallel count down timers



MOST



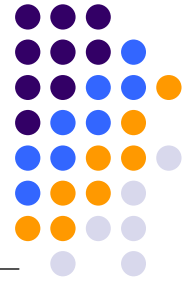
HP RW6815 is the Present

- On-line text download from internet (Hungarian Electronic Library)
- On-line internet dictionary
- Simple Web page reader
- Multimedia education program
- Games: dividing by 3, memory game with the 4 directions



MOST

Thank you for your attention!



**MOBILE
SlateTalker
MOST**